



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010475
CERTIFICATION DATE: December 11, 2013
DATE RECERTIFICATION DUE: June 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
January, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

msk



DBH
TLN

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/16/2013

Instrument Serial Number: 010475	As of 16-Dec-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
11-Dec-13	11-Dec-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
01-Jul-13	01-Jul-13	DBH (21250)	CERTIFIED.
15-Jan-13	15-Jan-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jul-12	25-Jul-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Feb-12	07-Feb-12	TLN (25387)	CERTIFIED.
20-Oct-11	20-Oct-11	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME FACILITY, CERTIFIED
17-Aug-11	17-Aug-11	SED (24178)	REPLACED DRY GAS STANDARD, CERTIFIED.
15-Mar-11	15-Mar-11	RJP (22428)	CERTIFIED.
29-Sep-10	29-Sep-10	RJP (22428)	CERTIFIED.
23-Jun-10	07-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD.
07-Apr-10	07-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
19-Oct-09	19-Oct-09	RJP (22428)	CERTIFIED.
30-Apr-09	30-Apr-09	RJP (22428)	CERTIFIED.
29-Apr-09	29-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Apr-09	06-Apr-09	RJP (22428)	REPLACED TANK TOP LID. CERTIFIED.
28-Oct-08	28-Oct-08	RJP (22428)	CERTIFIED.
09-Oct-08	09-Oct-08	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
TLN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010475 Worksheet Start Date 12/11/2013
Location Nelson CO SO
Address 94 Court House SQ Lovington VA 22949
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 751 Reference Barometer (mm HG) 750
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.299
0.300	0.296	0.287	0.304	Sample 2	0.299
Precision		sample min	sample max	Sample 3	0.299
0		0.299	0.299		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) AG320502-09

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies	
Mouthpieces	50
Certificates of Analysis	50
Operator Worksheet	50
Other:	

Notes:

Firmware/software upgrade.

Instrument Serial Number

010475

Certification Date

12/11/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.250	0.247	0.239	0.254	0.246
Precision		sample min	sample max	Sample 2
0		0.246	0.246	0.246
				Sample 3

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.150	0.148	0.143	0.152	0.148
Precision		sample min	sample max	Sample 2
0		0.148	0.148	0.148
				Sample 3

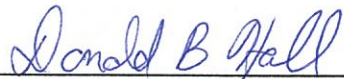
Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.080	0.079	0.076	0.082	0.079
Precision		sample min	sample max	Sample 2
0		0.079	0.079	0.079
				Sample 3

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.020	0.020	0.017	0.023	0.019
Precision		sample min	sample max	Sample 2
0		0.019	0.019	0.019
				Sample 3

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/16/13

Issuing Analyst



Date

12/16/13

Intox EC/IR-II: Accuracy Check

DBH
Tln

Department of Forensic Science

Serial Number: 010475 Test Number: 498

Test Date: 12/11/2013 Test Time: 10:23 EST

Dry Gas Target: 0.099

Lot Number: AG224801-27 Exp Date: 09/04/2014

Tank Pressure: 879 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:24
CHK	0.099	10:25
BLK	0.000	10:27
CHK	0.099	10:27
BLK	0.000	10:29
CHK	0.099	10:29

Test Status: *Success*

Calibration CRC: E23B5F67

Intox EC/IR-II: Accuracy Check

DBH
TUN

Department of Forensic Science

Serial Number: 010475 Test Number: 499

Test Date: 12/11/2013 Test Time: 10:32 EST

Dry Gas Target: 0.297

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 360 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:33
CHK	0.297	10:34
BLK	0.000	10:35
CHK	0.296	10:36
BLK	0.000	10:38
CHK	0.296	10:38

Test Status: *Success*

Calibration CRC: E23B5F67

DBH
TLW




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/11/2013
TEST EQUIPMENT NUMBER 010475		

10:48 EST

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 11 Dec 2013 at 10:55

SD
DBH
TLW

Test Results

Instrument Serial Number 010475

Test # 000500 Subject Test

Test Location 1 Department of
Test Date 11 Dec 2013

Test Location 2 Forensic Science
Test Time 10:42
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Subject's Last Name INSTRUMENT

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Middle Initial

Subject's First Name TEST

Driver's License Number

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License State

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 11 Dec 2013 End Time 10:49

Result Time 10:48

Result Date 11 Dec 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:42

Data Type BLK

Sample Value 0.000

Sample Time 10:43

Data Type CHK

Sample Value 0.098

Sample Time 10:44

Data Type BLK

Sample Value 0.000

Sample Time 10:45

Data Type SUBJ

Sample Value 0.000

Sample Time 10:46

Data Type BLK

Sample Value 0.000

Sample Time 10:46

Data Type SUBJ

Sample Value 0.000

Sample Time 10:48

Data Type BLK

Sample Value 0.000

Sample Time 10:49

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG224801-27

Standard Expiration Date 09/04/2014

Tank Pressure 870

Barometric Pressure 752 mmHg

Blow Sample Number 1 Blow Duration 3.82 sec

Blow Volume 1971 cc

End-of-Blow Time 10:46

Blow Sample Number 2 Blow Duration 4.13 sec

Blow Volume 2187 cc

End-of-Blow Time 10:48

Tamper Evident Stamp 501628a3

Test Status Code 0

Test Status Success

DBH
TLV

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010475

System Date: 12/11/2013

System Time: 11:15 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH
TLN

Intox EC/IR-11: Calibration

Department of Forensic Science

Serial Number: 010475 Test Number: 501

Test Date: 12/11/2013 Test Time: 11:18 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 335 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:18
CAL	0.099	11:19

Test Status: *Success*

Calibration CRC: AE7881A2

DBH
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010475 Test Number: 502

Test Date: 12/11/2013 Test Time: 11:24 EST

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 71 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:24
BLK	0.000	11:25
CHK	0.246	11:26
BLK	0.000	11:27
CHK	0.246	11:28
BLK	0.000	11:30
CHK	0.246	11:31
BLK	0.000	11:32

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH
TLN

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010475 Test Number: 503
Test Date: 12/11/2013 Test Time: 11:35 EST

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 424 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:35
BLK	0.000	11:36
CHK	0.148	11:37
BLK	0.000	11:38
CHK	0.148	11:39
BLK	0.000	11:40
CHK	0.148	11:41
BLK	0.000	11:43

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLW

Department of Forensic Science

Serial Number: 010475 Test Number: 504

Test Date: 12/11/2013 Test Time: 11:45 EST

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 982 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:46
BLK	0.000	11:47
CHK	0.079	11:47
BLK	0.000	11:49
CHK	0.079	11:50
BLK	0.000	11:51
CHK	0.079	11:52
BLK	0.000	11:53

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010475 Test Number: 505

Test Date: 12/11/2013 Test Time: 11:55 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 806 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:57
BLK	0.000	11:58
CHK	0.019	11:59
BLK	0.000	12:00
CHK	0.019	12:01
BLK	0.000	12:02
CHK	0.019	12:03
BLK	0.000	12:04

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/1R-11: Accuracy Check

DBH
TLN

Department of Forensic Science

Serial Number: 010475 Test Number: 506

Test Date: 12/11/2013 Test Time: 12:08 EST

Dry Gas Target: 0.296

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 355 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:08
CHK	0.299	12:09
BLK	0.000	12:11
CHK	0.299	12:12
BLK	0.000	12:13
CHK	0.299	12:14

Test Status: *Success*

Calibration CRC: AE7881A2

Intox EC/1R-11: Accuracy Check

DBH
TRN

Department of Forensic Science

Serial Number: 010475 Test Number: 507

Test Date: 12/11/2013 Test Time: 12:17 EST

Dry Gas Target: 0.099

Lot Number: AG320502-09 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:19
CHK	0.099	12:19
BLK	0.000	12:21
CHK	0.099	12:22
BLK	0.000	12:23
CHK	0.099	12:24

Test Status: *Success*

Calibration CRC: AE7881A2

DBH
TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/11/2013
TEST EQUIPMENT NUMBER 010475		

RESULTS: TIME SAMPLE TAKEN 12:32 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

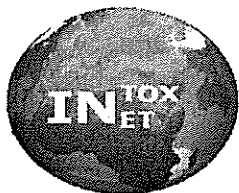
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 11 Dec 2013 at 18:56

DBH
TLW

Test Results

Instrument Serial Number 010475

Test # 000508 Subject Test

Test Location 1 Department of
Test Date 11 Dec 2013

Test Location 2 Forensic Science
Test Time 12:26
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 12:34

Result Time 12:32

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:26

Data Type BLK

Sample Value 0.000

Sample Time 12:27

Data Type CHK

Sample Value 0.099

Sample Time 12:28

Data Type BLK

Sample Value 0.000

Sample Time 12:29

Data Type SUBJ

Sample Value 0.000

Sample Time 12:30

Data Type BLK

Sample Value 0.000

Sample Time 12:31

Data Type SUBJ

Sample Value 0.000

Sample Time 12:32

Data Type BLK

Sample Value 0.000

Sample Time 12:34

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG320502-09

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 750 mmHg

Blow Sample Number 1 Blow Duration 3.59 sec

Blow Volume 1938 cc End-of-Blow Time 12:30

Blow Sample Number 2 Blow Duration 3.73 sec

Blow Volume 1934 cc End-of-Blow Time 12:32

Tamper Evident Stamp bc1e274a

Test Status Code 0

Test Status Success